

CD PLAYER

DP-2050 DP-1050

INSTRUCTION MANUAL

KENWOOD CORPORATION

This instruction manual is used for two models.
Model availability and features (functions) may differ
depending on the country and sales area.
For details, refer to page 7.



Introduction

Your choice of this product indicates that you are a devotee to excellence in sound reproduction.

We appreciate your patronage and take pride in the long tradition of quality components that our company represents.

So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system. This will acquaint you with operating features and system-connection considerations so that your listening pleasure will be enhanced right from the start.

You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability we have sought to anticipate your needs and desires.

Keep this manual handy for future reference.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model _____ Serial Number _____

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage. We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

The marking of products using lasers (Except for some areas.)

**CLASS 1
LASER PRODUCT**

The label is attached to the rear panel and says that the component uses laser beams that have been classified as Class 1.

It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

For the U.S.A. (DP-2050 only)

CAUTION:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

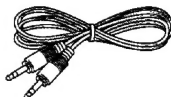
KENWOOD CORPORATION
SHIONOGI SHIBUYA BUILDING 17-5,
2-CHOME, SHIBUYA, SHIBUYA-KU,
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT
CONFORMS TO DHHS REGULATIONS NO.21 CFR
1040.10, CHAPTER I, SUBCHAPTER J.

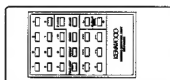
Location: Back Panel

Accessories

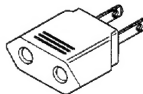
- Audio cord 1
- System control cord 1



- Remote control unit 1
(DP-2050 only)
- Batteries 2
(DP-2050 only)



- AC plug adaptor 1
(Except for some areas)



For the unit with a European
AC plug in areas other than
Europe.

Contents

Caution: Read the pages marked  carefully to ensure safe operation.

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Before applying power



Caution: Read this page carefully to ensure safe operation.

For the U.S.A. and Canada

Important!

Units shipped to the U.S.A. and Canada are designed for operation on 120 volts AC only.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THE AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

For the United Kingdom

Important!

Units shipped to the U.K. are designed for operation on 240 volts AC only.

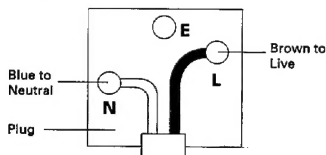
The mains plug must be removed from the wall socket prior to any internal examination.

The wires in this mains lead are coloured in accordance with the following code:

Blue Neutral
Brown Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red



Notes:

1. If a 13-amp plug is used, this must be fitted with a 13-amp fuse.
2. If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

For Australia and Europe

Important!

Units shipped to Australia are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 230 V AC only.

For other countries

Important!

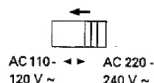
Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC voltage selection

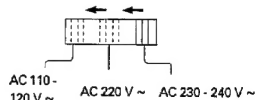
This unit operates on 110 - 120 or 220 - 240 volts AC. The AC voltage selector switch Type A or Type B on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch

Type A



Type B



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

Safety precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

IMPORTANT SAFEGUARDS



Caution: Read this page carefully to ensure safe operation.

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

1. Power sources – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

2. Power-cord protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord.

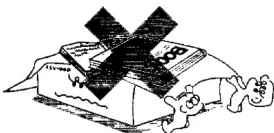


3. Grounding or polarization – The precautions should be taken so that the grounding or polarization means of this unit is not defeated.

4. Ventilation – The unit should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.

Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.

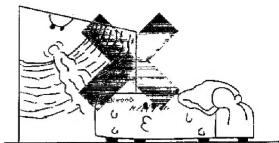


5. Water and moisture – The unit should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

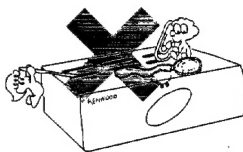


6. Temperature – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

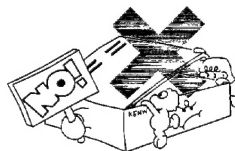
7. Heat – The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



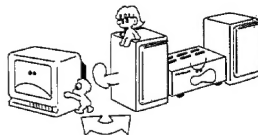
8. Electric shock – Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



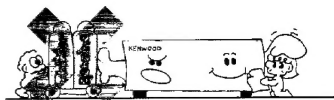
9. Enclosure removal – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



10. Magnetic fields – Keep the unit away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



11. Cleaning – Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzene, etc. to clean the cabinet. Use a clean dry cloth.

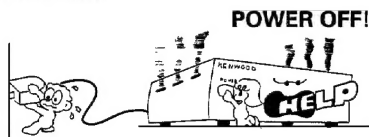


- 12. Carts and stands** – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



- 13. Nonuse periods** – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

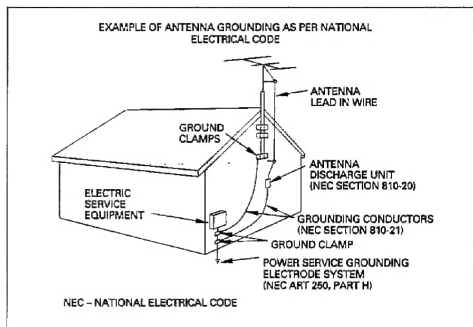
- 14. Abnormal smell** – If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.



- 15. Damage requiring service** – The unit should be serviced by qualified service personnel when:
- A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the unit; or
 - C. The unit has been exposed to rain; or
 - D. The unit does not appear to operate normally or exhibits a marked change in performance; or
 - E. The unit has been dropped, or the enclosure damaged.

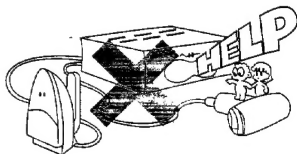
- 16. Servicing** – The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- 17. Outdoor antenna grounding** – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



- 18. Power lines** – An outdoor antenna should be located away from power lines.

- 19. AC outlets** – Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical units, such as an iron or toaster, to it to prevent fire or electric shock.



Notes:

1. Item 3 is not required except for grounded or polarized equipment.
2. Item 17 and 18 are not required except for units provided with antenna terminals.
3. Item 17 complies with UL in the U.S.A.

Before operation

Disc handling precautions



Label side

Playing side

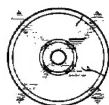
Handling

Hold compact discs so that you do not touch the playing surface.



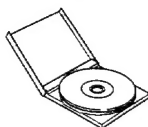
Do not attach paper or tape to either the playing side or the label side of compact discs.

Caution on disc used



Cleaning

If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.



Storage

When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

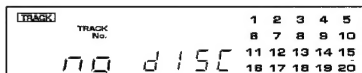
Never play a cracked or warped disc.

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Turn the power OFF.



Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced.

If condensation occurs, correct operation may not be possible, or the unit may not function correctly.

This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

Type of disc which can be played with this unit

Disc type	Disc size
CD (general compact disc)	12 cm
CDV (CD with video) audio section	12 cm
CD single	8 cm

The 8 cm CD adaptor on sale cannot be used with this unit. If it is used with this unit, it is possible that the disc or CD player will be damaged.

- In the case of CDV, the time display and music calendar display are all for the audio section only.

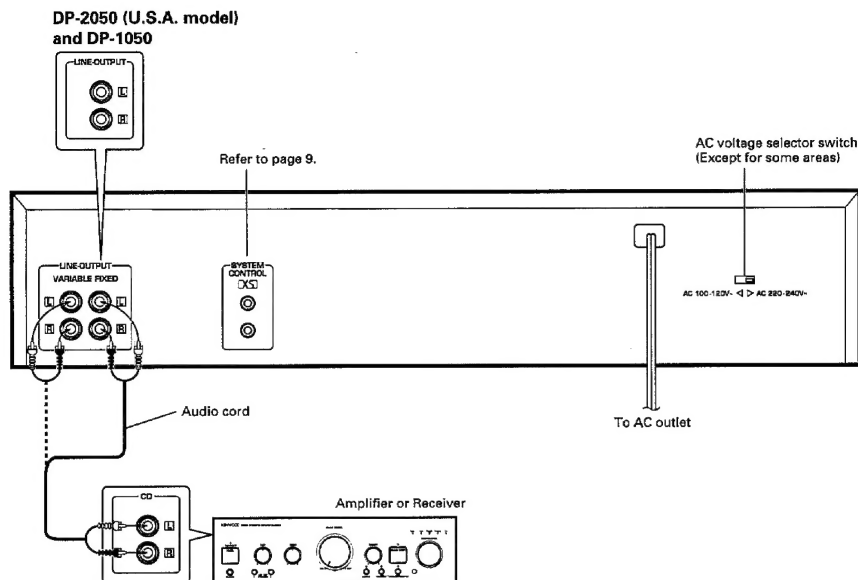
This instruction manual is used for two models.
Model availability and features (functions) may differ depending on the country and sales area.

<div>Points of difference</div>			Model	DP-2050		DP-1050
				For the U.S.A.	For other countries	
Accessories	Remote control unit	RC-P2030K	○	Not equipped	Not equipped	
		RC-P2030 (OUTPUT LEVEL keys)	Not equipped	○	Not equipped	
	Batteries	R6/AA	○	○	Not equipped	
Rear panel		LINE OUTPUT (FIXED)	○	○	○	
		LINE OUTPUT (VARIABLE)	Not equipped	○	Not equipped	

System connections

Make connection as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.

Do not plug in the power lead until all connections are completed.



DP-2050 (U.S.A. model) and DP-1050

Use the provided audio cords to connect the **LINE OUTPUT** jacks of this unit to the **CD INPUT** jacks (or **AUX jacks**) of the amplifier.

DP-2050 (Except for the U.S.A.)

1. FIXED output jacks

The output level of these jacks remains fixed.

2. VARIABLE output jacks

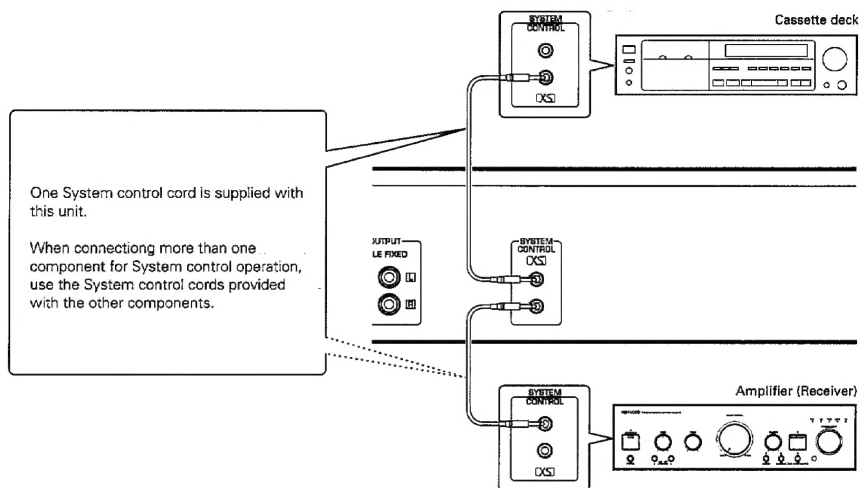
The output level of the **PHONES** jack and the **VARIABLE** jacks can be varied simultaneously using the **OUTPUT LEVEL** key on the remote control unit.

Use these jacks when you want to match the output level of this unit with another component.

Notes:

1. Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet. Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

System control connection

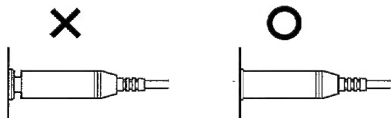


System control connection

When connected to an amplifier or receiver having KENWOOD SYSTEM CONTROL terminals, system operation such as remote control is made possible. For details, refer to the instruction manual of the amplifier or receiver.

If your amplifier or receiver is not equipped with the SYSTEM CONTROL terminals, do not connect anything to any SYSTEM CONTROL terminal.

Do not connect the unit in any system configuration other than specified.



- Be sure to insert the system control cord plugs fully into the SYSTEM CONTROL terminals.
- If the system control cords and audio cords are not connected properly, the automatic system governing remote control and system functions will not operate.

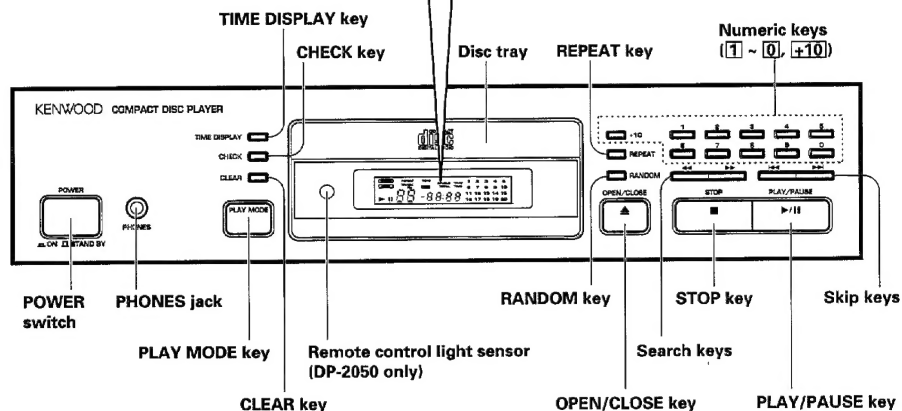
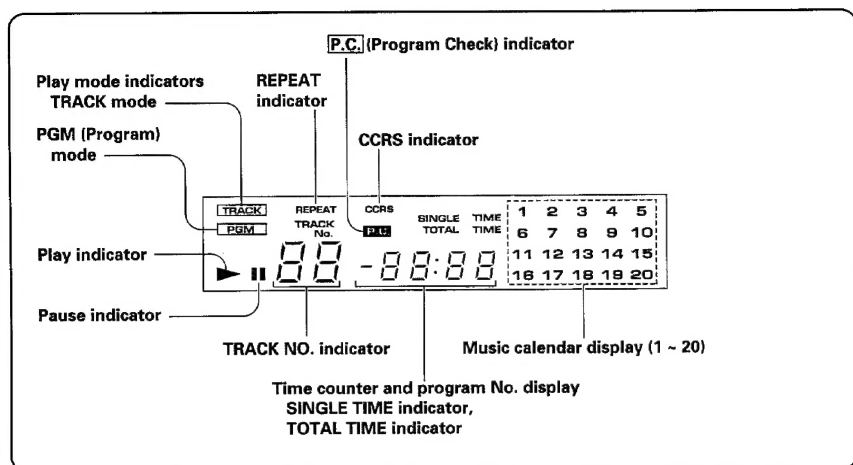
CCRS

By connecting the SYSTEM CONTROL terminal of this unit with the "DCS" SYSTEM CONTROL terminal of a KENWOOD cassette deck, CCRS recording can be carried out.

The CCRS function is used when recording from a CD to a tape in a cassette deck, and operates to adjust the cassette deck's recording level to the optimum setting according to the playing level of the CD.

For details on the CCRS function, refer to the instruction manual provided with your cassette deck.

Controls and indicators



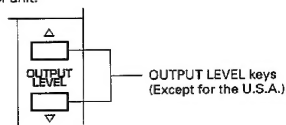
To use the headphone

Connect commercially-available stereo headphones to the PHONES jack for private listening.



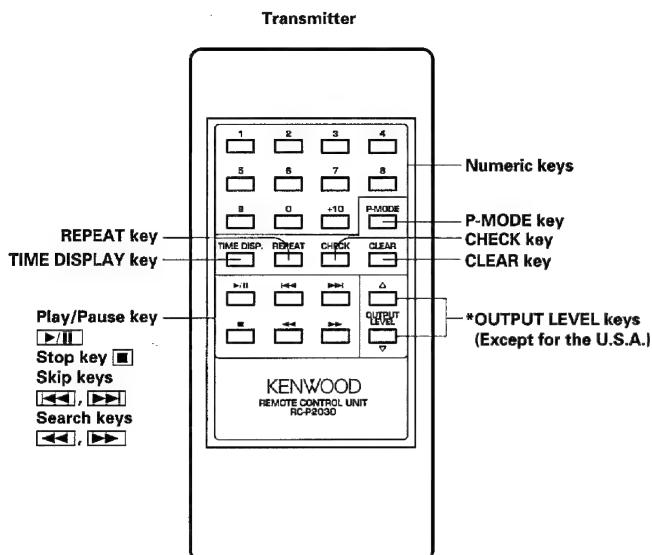
DP-2050 only

Adjust the sound volume using the OUTPUT LEVEL keys on the remote control unit.



Remote control operation (DP-2050 only)

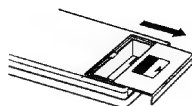
The keys marked * are provided only on the remote control unit.



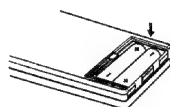
Model name: RC-P2030K
(For the U.S.A.)
RC-P2030
(For other countries)
Transmission system: Infrared light system

■ Loading batteries

1 Remove the cover.

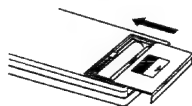


2 Insert batteries.

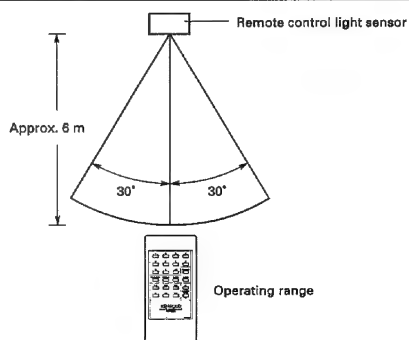


- Insert two AA-size (R6/SUM-3) batteries as indicated by the polarity marking.

3 Close the cover.



■ Operation procedure

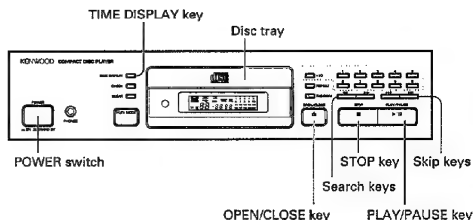


- When two operation keys on the remote control unit are pressed successively, press each key securely reserving an interval of more than 1 second for each press.

Notes:

1. The supplied batteries are intended for use in operation checks. Therefore, their lives may be shorter than ordinary batteries.
2. When the remote-controllable distance gets shorter than before, replace both batteries with new ones.
3. Malfunction may occur if direct sunlight or the light of a high-frequency lighting fluorescent lamp enters the remote control light sensor. In such a case, change the system installation position to prevent the malfunction.

Manual play (TRACK mode)



■ Playing a CD from the beginning (TRACK mode)

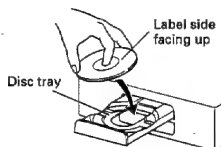
1 Press the POWER key to ON.

2 Load a CD.

① Open the disc tray.

② Place a disc on the tray.

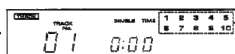
③ Close the tray.



- Hold the disc taking care not to touch the side to be played.
- Be sure to place only one CD at a time.

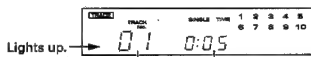
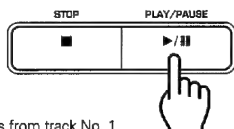


TRACK Indicator lights up.



The track Nos. recorded on the CD are displayed.

3 Start playback.



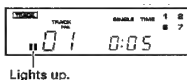
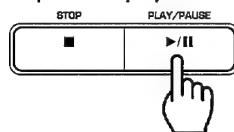
Lights up.

Track No. being played

Elapsed time from the beginning of track being played

- In a few seconds, playback starts from track No. 1.

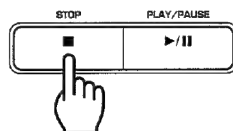
To pause CD play



Lights up.

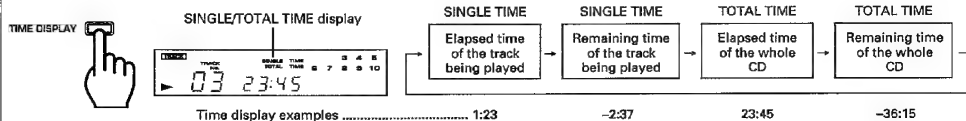
- To resume playback, press the key again.

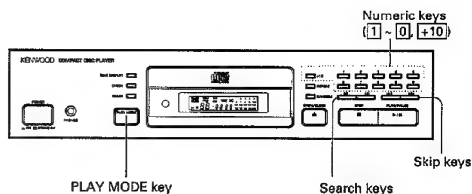
To stop CD play



TIME key

Press the **TIME** key when you want to check the elapsed time and remaining time of the track being played. Every time the **TIME** key is pressed, the displayed time changes as shown below.
The time information display may not appear when playing a CD containing 21 or more tracks. In such a case, the display (remaining SINGLE TIME) will show "----".

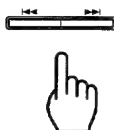




■ Listening from the desired track

Select with the skip key.

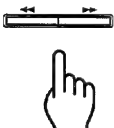
Press one of the skip keys according to the direction to skip.



- The tunes are skipped in the direction of the key and the play starts at the beginning of the selected tune.
- When the **10** key is pressed once during play, the track starts again from the beginning.

Select with the search key.

Press the forward or reverse search key according to the direction to search.



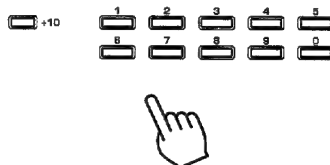
- The fast forward or reverse speed increases as the key is held depressed.
- The track will start to play from where you release the key.

Select with the numeric key.

1 Ensure that the CD player is in the TRACK mode.

- If the **PGM** indicator is lighted, press the **PLAY MODE** key.

2 Select the desired track.



Examples of input

Track No. 23: **+10 +10 3**

Track No. 40: **+10 +10 +10 +10 0**

- Play starts from the selected tune and after.

Notes:

1. If a track No. which is not present on the CD is selected while the tray is open, the last track on the CD will be played.
2. Such a selection is not accepted after the tray has been closed or playback has started.

Programmed play (PGM mode)

The program mode allows you to play desired tracks in the order you want to hear them. A maximum of 20 selections can be entered in memory.

■ Playing desired tracks in desired order (PGM mode)

1 Enter the PGM mode.

Press the **PLAY MODE** key.



PGM indicator lights up.



The SINGLE TIME display changes to TOTAL TIME display.

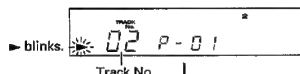
2 Program desired tracks in desired order.



Example

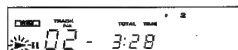
To program track Nos. 2, 5 and 25:

2 5 +10 +10 5



Track No.

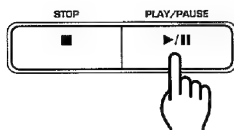
The number of the selected track in the program (P-No.) is displayed for a few seconds.



The total time of the selected track will be displayed.

- Up to 20 tunes can be programmed.
- If you made a mistake, press the **CLEAR** key and select the correct track.
- Tracks can also be programmed by reading the disc label while the disc tray is open.
- If a tune number larger than 21 (22 and subsequent) is selected, the remaining time of the whole CD disc will not be displayed.

3 Start playback.

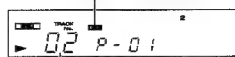


- Tracks are played in the order they are programmed (P-No.).
- If one of the skip keys (**▶▶** or **◀◀**) is pressed during programmed playback, the track being played is skipped in the forward or reverse direction.

To check the programmed order



P.C. indicator lights up.



Track No.

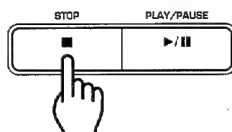
- Every time the **CHECK** key is pressed, the track No. and the order it was programmed (P-No.) are displayed in the order of programming.
- The previous display will resume in a few seconds.

To resume normal playback



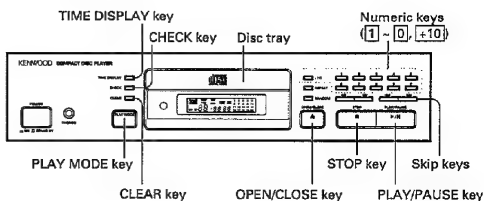
- The playback in the order of the track Nos. on CD will start after the track being played.

To stop programmed playback



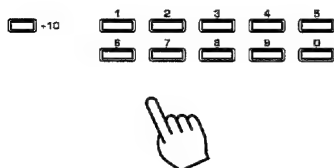
Auto-Space function

In the program mode, a space of about 4 seconds is inserted automatically between the programmed tracks. This function is provided to facilitate the DPSS function of the cassette deck. However, such a space may also be inserted in case the sound of two tracks are continued, for example with some classic music and live recordings.



■ To add a track to the program

Press the key(s) for the track No. to be added.



■ To clear tracks from the program

Clearing from the last track



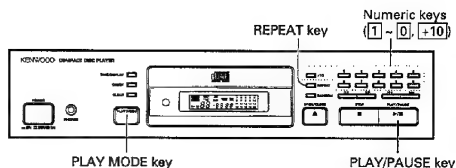
- Every time the key is pressed, tracks are cleared from the last track in order.

Clearing the whole of program

Press either of these keys.



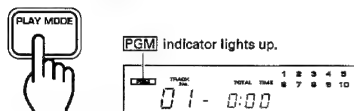
Repeated play



Repeated playback

Repeated playback of programmed tracks

1 Enter the PGM mode.

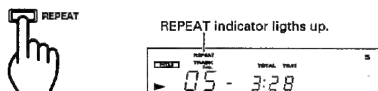


2 Select the desired track(s).

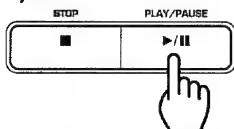


- All of the selected tracks will be played repeatedly.
- If only one track is selected, that track will be played repeatedly.

3 Press the REPEAT key.

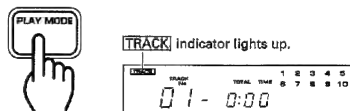


4 Start playback.

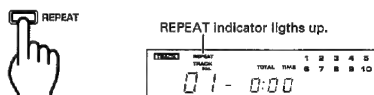


Repeated playback of the whole CD

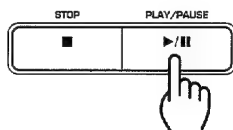
1 Enter the TRACK mode.



2 Press the REPEAT key.



3 Start playback.

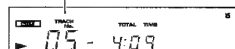


To resume normal playback

Press the **REPEAT** key again.



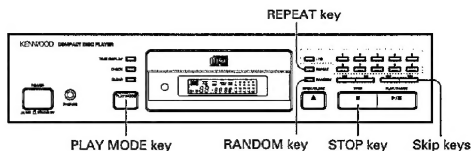
REPEAT indicator goes off.



- The playback will be resumed under the CD player mode set before the repeat.

Random play

This function allows for random selection of the tracks each time and continuous playing in any order.



■ Playing tracks in a random order

1 Ensure that the CD player is in the TRACK mode.

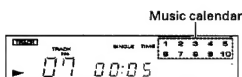
- If the [PGM] indicator is lighted, press [PLAY MODE] key.

2 Press the RANDOM key



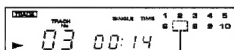
- The music calendar flashes while a tune is randomly selected, then the selected tune starts playing.

Example in case track No.7 is selected first



- When the first track has been played, another track is selected at random again, and played.

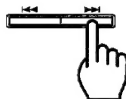
Example in case track No.3 is selected



The track No. which has been played disappears.

- Random play stops after all of the tunes have been played once.
- If the [REPEAT] key is pressed, random play operation is repeated continuously.

To select another track during random play



- When the [◀▶] key is pressed once during random play, the track starts again from the beginning.

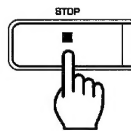
To cancel random play

Press the key again.



- Normal play starts from the track being played.


or



- Playback stops.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
No power is applied with the POWER switch ON.	<ul style="list-style-type: none">● Power plug is loosely connected.● With the power plug connected to the switched AC outlet of an amplifier, the power of the amplifier is turned off.	<ul style="list-style-type: none">● Insert the power plug firmly to the AC outlet.● Turn the amplifier's power ON.
Disc is loaded, player does not play.	<ul style="list-style-type: none">● Disc is loaded upside down.● Disc is loose.● Disc is dirty.● Disc is cracked.● Condensation occurred on the optical lens unit.	<ul style="list-style-type: none">● Load the disc again with its label side up.● Insert the disc properly.● Wipe off the dust on the surface of the disc referring to "Disc handling precautions".● Replace the disc with a new one.● Leave the player for about 1 hour so that the condensation is removed.
No sound.	<ul style="list-style-type: none">● Disc is not loaded.● Play mode is not entered (The play/pause indicator is not lit.)● Disc is too dirty.● Disc is cracked.● The connection cords are inserted loosely.	<ul style="list-style-type: none">● Load a disc.● Press the  key.● Wipe off the dust on the disc surface referring to "Disc handling precautions".● Replace the disc with a new one.● Connect all connection cords firmly.
Music is interrupted. (Sound is skipped.)	<ul style="list-style-type: none">● Disc is too dirty.● Disc is cracked.● Oscillation is applied to this unit.	<ul style="list-style-type: none">● Wipe off the dust on the disc surface referring to "Disc handling precautions".● Replace the disc with a new one.● Try selecting a place where on strong vibrations occur by changing the installation place, etc.
Play begins as soon as the power is turned on.	<ul style="list-style-type: none">● This unit is designed so that play begins automatically when the power is turned on if a disc is already loaded.	<ul style="list-style-type: none">● If automatic play is not required, remove the disc from the player before turning the power OFF.

Notes:

1. This system is microprocessor-controlled, so malfunction may occur due to external noise or interference noise. In such a case, unplug the power cord, plug it and turn power on again.
2. Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

Specifications

[Format]

System Compact disc digital audio system
Laser Semiconductor laser
Number of channels 2 channels
playing rotation 200 rpm ~ 500 rpm (CLV)

[Audio]

Frequency response 4 Hz ~ 20 kHz \pm 1.0 dB
Signal to noise ratio More than 94 dB
Total harmonic distortion

..... Less than 0.005% (at 1 kHz)

Channel separation More than 90 dB (at 1 kHz)

Wow & flutter Unmeasurable limit

Output level/impedance

LINE (FIXED) 1.2 V/2.6 k Ω

(VARIABLE) 0.24 ~ 1.2 V/3.3 k Ω
(Except for the DP-
2050 U.S.A. model
and the DP-1050)

Headphones 20 mW/16 Ω (max.)

[General]

Power consumption 12 W

Dimensions W: 440 mm (17-5/16")

H: 107 mm (4-3/16")

D: 261 mm (10-1/4")

Weight (net) 3.3 kg (7.3 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

The unit's power supply is secondarily connected. Note following.
The unit is not completely disconnected from the mains as long as the power cord is connected to a wall outlet.

Observera:

Apparatens strömförsörjning kopplas från sekundärt. V.g. ge akt på följande.

Apparaten fränkopplas inte helt och hållet från strömnätet medan apparatens nätsladd är ansluten till växelströmsuttaget.

Huom:

Virta yksikköön on kytketty pois sekundaaripuolelta. Huomioi seuraava.

Tämä yksikkö ei ole kokonaan kytketty pois pää virranjakajasta kun pää katkaisin on liitettynä virtatiiriin.

Bemærk:

Strømmen til apparatet afbrydes på den sekundære side. Vær opmærksom på følgende.

Denne enhed er ikke fullstendig koblet fra lysnettet så længe stikket er tilsluttet stikkontakten.

Anmerkning:

Strømmen til apparatet er slått av på sekundærsiden. Vær oppmerksom på det følgende.

Dette apparatet koples ikke fullstendig fra nettet så lenge støpslet står i en stikkontakt, selv om strømbryteren settes i av-stilling.

For CANADA

DOC REGULATION

"This digital apparatus does not exceed the CLASS B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications."

For the U.S.A.

FCC WARNING:

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

KENWOOD